

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of applying viscous medium on a substrate, said method comprising the steps of:

providing the substrate arranged for mounting of electronic components thereon;

screen printing predetermined amounts of a viscous medium on predetermined positions on the substrate; [[and]]

add-on jetting of predetermined additional amounts of viscous medium on predetermined positions on the screen printed ~~substrate~~, substrate; and

determining the predetermined additional amounts and predetermined positions prior to screen printing.

wherein the add-on jetting is non-contact dispensing and the add-on jetting viscous medium is still in viscous form during the add-on jetting.

2. (Original) The method according to claim 1, further comprising the steps of:
inspecting the results of said screen printing and add-on jetting;
determining errors of said screen printing and add-on jetting based on said inspection;
determining whether correction is required; and
correcting, if correction is required, at least some of said errors, wherein said correction comprises supplemental jetting of additional viscous medium onto the screen printed substrate.

3. (Original) The method according to claim 1, comprising the steps of:
inspecting the results of said screen printing prior to said add-on jetting;
determining errors of said screen printing based on said inspection;
determining whether correction is required; and
correcting, if correction is required, at least some of said errors, wherein said correcting comprises supplemental jetting of additional viscous medium onto the screen printed substrate.

4. (Original) The method according to claim 3, wherein said supplemental jetting is performed in connection with performing said add-on jetting.

5. (Original) The method according to claim 2 or 3, wherein said add-on jetting and said supplemental jetting is performed by a single jetting device.

6. (Original) The method according to claim 2 or 3, wherein said step of correcting comprises the step of removing amounts of viscous medium from positions on the substrate.

7. (Original) The method according to claim 2 or 3, wherein said step of determining errors comprises the step of evaluating all of the determined errors and deciding on whether the determined errors shall be corrected.

8. (Original) The method according to claim 1, further comprising the step of applying at least one viscous medium through said add-on jetting which is different from the viscous medium applied through screen printing.

9-18 (Cancelled)

19. (Currently Amended) A method of applying viscous medium on a substrate, said method comprising the steps of:

providing the substrate arranged for mounting of electronic components thereon;

screen printing a viscous medium onto the substrate; [[and]]

jetting additional viscous medium onto the printed ~~substrate~~; substrate; and
determining the amount and location of the additional viscous medium prior to screen printing.

wherein the jetting of additional viscous medium is non-contact dispensing and the additional viscous medium is still in viscous form during the jetting of additional viscous medium.

20. (Previously Presented) A method of applying additional viscous medium on a substrate that has been screen printed with viscous medium, said method comprising the step of:

providing the substrate arranged for mounting of electronic components thereon; [[and]]
jetting additional viscous medium onto the ~~substrate~~, substrate; and
determining the amount and location of the additional viscous medium prior to screen
printing,

wherein the jetting of additional viscous medium is non-contact dispensing and the
additional viscous medium is still in viscous form during the jetting of additional viscous
medium.

21-30 (Canceled)

31. (Previously Presented) The method according to claim 1, wherein said step of
add-on jetting includes the step of jetting individual droplets at said predetermined positions on
the screen printed substrate.

32-33 (Canceled)

34. (Previously Presented) The method according to claim 31, wherein each of the
individual droplets of viscous medium are of a predetermined volume.

35-36 (Canceled)

37. (Previously Presented) The method according to claim 1, wherein said viscous
medium applied through said add-on jetting is solder paste.

38. (Previously Presented) The method according to claim 31, wherein said viscous
medium applied through said add-on jetting is solder paste.

39. (Currently Amended) A method of applying viscous medium on a substrate, said
method comprising the steps of:

providing the substrate arranged for mounting of electronic components thereon;
screen printing predetermined amounts of a viscous medium on predetermined positions on the substrate; and
add-on jetting of individual droplets of viscous medium on predetermined positions on the screen printed substrate; substrate; and
determining the predetermined positions of the add-on jetting prior to screen printing,
wherein the add-on jetting is non-contact dispensing and the add-on jetting viscous medium is still in viscous form during the add-on jetting.

40. (Previously Presented) The method according to claim 39, wherein said viscous medium applied through said add-on jetting is solder paste.

41. (Currently Amended) A method of applying viscous medium on a substrate, said method comprising the steps of:

providing the substrate arranged for mounting of electronic components thereon;
screen printing predetermined amounts of a viscous medium on predetermined positions on the substrate; and
add-on jetting of solder paste on predetermined positions on the screen printed substrate; substrate; and
determining the predetermined positions of the add-on jetting prior to screen printing,
wherein the add-on jetting is non-contact dispensing and the add-on jetting solder paste is still in viscous form during the add-on jetting.

42. (Previously Presented) The method according to claim 1, further comprising the step of applying at least one viscous medium through said add-on jetting which is the same as the viscous medium applied through screen printing.

43. (Previously Presented) The method according to claim 1, 19, 20, 39 or 41, further comprising the step of mounting electronic components on the substrate.

44. (Previously Presented) The method according to claims 1, 19, 20, 39 or 41, wherein at least some of said jetting is performed onto positions on the screen printed substrate already provided with viscous medium through said screen printing.